

PDEOZE PowerContainer

Solar panels 380v water pump inverter



Overview

3 phase solar pump inverter, also called solar variable frequency drive, converts the direct current of solar panel into alternating current, thereby driving various AC motor water pumps (centrifugal pump, irrigation pump, deep well water pump, swimming pool pump, etc.), the input can be the solar DC power supply (DC 200V-350V, DC 350V-750V), also can be single phase or three phase AC power supply (AC 220V, 380V, 400V, 460V, 480V), built-in MPPT control system to maximize the output power of the PV array, is very suitable for use in remote and dry areas. What is a solar pump inverter?

Solar Pump Inverter Solar pumping system is a series-parallel absorb sunlight radiation energy through solar panels and convert DC into AC power by inverter to drive centrifugal pump, axial flow pump, mixed-flow pump of deep well water pump system.

How to choose a solar pump inverter?

Generally, the solar panel power to be chosen is 1.3-1.5 times of the water pump power. Here is $1.5 \times 1.4 = 2.1 \text{KW}$. The working voltage of the solar pump inverter is 200V-360V. It can select the 280W solar panel, 8 pieces connected in series, a total power of 2.24kW.

What is solar PV water pumping system?

Introduction The solar PV water pumping system is best solution for remote areas where grid connectivity is not possible. The design of the system using simulation software helps to get the best result from available resources. Software results help to rectify problems of the system before on field installation.

What is MPPT solar pump inverter?

Cheap price 2.2 kW / 3 hp MPPT solar pump inverter (solar variable frequency drive), compatible with both AC & 350-750V DC input, and 3-phase AC output widely used in various kinds of AC pumps, soft start feature to prevent water hammer.

What are the advantages of solar pump inverter?

Solar pump inverter adopts advanced MPPT control technology, real-time detection of solar panels power voltage, tracking the highest voltage and current, efficiency is as high as 98%. It can enter automatically to sleep mode when the intensity of sunlight is weak, as well as can exit the sleep mode when the intensity of sunlight is becoming strong.

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3 phase solar pumping system converts solar energy directly into electric energy, and then drives motors to drive water pumps to pump water from deep wells, rivers, lakes and other water ...

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